## ABSTRACT OF THE DISCLOSURE

A multi-bit split-gate (MSG) flash cell with multishared source/drain, a method of making and a method of programming the same are disclosed. Furthermore, a method of bit-by-bit erasing, in addition to page erasing, of a plurality of cells of two or more is disclosed through the application of a positive voltage forced onto the control gate of the unselected cell. Thus, by providing the bit-bybit erasing flexibility, the bit alterability is enhanced. is formed with N+1 stacked gates comprising The MSG floating gates and control gates, separated by N select gates, all sharing the same source/drain between a pair of bit lines. The programming, that is, writing of the plurality of N+1 bits is accomplished also bit by bit where the programmed bits are selected by word line, bit line and control gate. The read operation is similar to the write operation. Thus, it is disclosed here that a plurality of N+1 bits or cells, where N is any integer, can be formed between two bit lines and along the same word line and also be programmed with enhanced bit alterability.